

Atlas UVCTest - Cost-effective solution for evaluating materials exposed to high-energy radiation from UVC sterilization

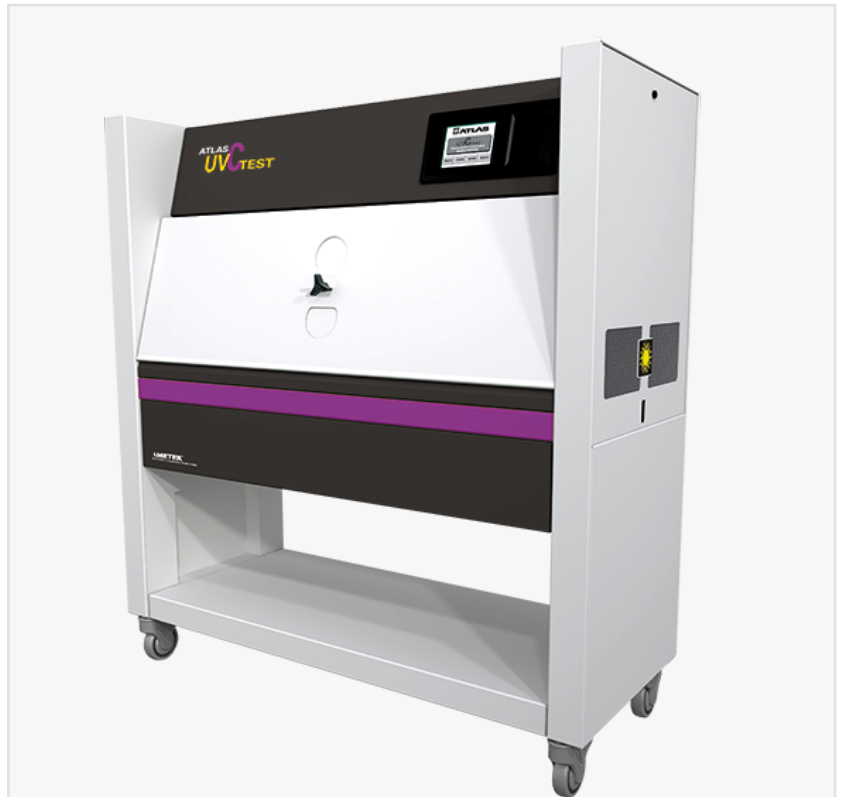
The UVCTest is specifically designed to quickly evaluate the durability of materials exposed to high-energy UVC radiation generated by UVC sterilization devices

MOUNT PROSPECT, ILLINOIS, UNITED STATES, October 28, 2021 /EINPresswire.com/ -- Used for over 40 years to disinfect air, water and non-porous surfaces in medical, sterile work, food, and water treatment facilities, UVC technology is increasingly being employed as a germicide across a much wider range of applications, including transportation, fitness, retail, office, healthcare and home.

The result is that more materials are being exposed to energetic, short-wavelength radiation, which can degrade coatings and finishes; fade colorants; embrittle polymers, plastics and textiles; and compromise electrical components.

Filtered xenon and fluorescent sources specified in AATCC, ASTM, and ISO are designed to reproduce natural solar spectra at the Earth's surface. ([UVC radiation](#) is absorbed in the ozone layer). Therefore, these current instruments can't predict a material's UVC resistance.

The UVCTest meets the challenge.



UVCTest Material Exposure Instrument



ATLAS

MATERIAL TESTING SOLUTIONS

Atlas Company Logo

It features a specially engineered test chamber incorporating eight proprietary UVC lamps with an output that peaks at 254nm to match the typical spectrum of [UVC sterilization](#) devices.

The UVCTest delivers best-in-class distribution of irradiance and temperature; advanced calibration technology and proprietary access ports to significantly reduce risk of damaging UVC exposure.

Featuring simple touchscreen operation, the UVCTest is designed for “plug-and-play” operation and requires minimal maintenance.

Atlas is also offering material evaluations. To test the UVCTest, samples may be submitted to an Atlas Weathering Services Group laboratory.

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Hospital with UVC sterilization device

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